

Notice of Allowability	Application No.	Applicant(s)	
	09/957,465	BORDNER ET AL.	
	Examiner	Art Unit	
	Kavita Padmanabhan	2161	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed 7/20/07.
2. ☒ The allowed claim(s) is/are 6,8-10,12-14,16,20,21,23 and 24.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Harry Laxton, Jr. on 9/28/07.

2. **Please amend the claims in accordance with the following complete list:**

1. (Canceled)

2. (Canceled)

3. (Canceled)

4. (Canceled)

5. (Canceled)

6. (Currently amended) The method of claim 21, further including the step of filtering said combined result according to at least one user selectable criteria.

7. (Canceled)

8. (Currently amended) The method of claim 21, further comprising the step of employing at least one of a Metaphone based analysis, a Phonex based analysis, a Soundex based analysis, an N-gram based analysis, an edit-distance based analysis and a dictionaries based analysis.

9. (Currently amended) A system for comparing a query against data contained within at least one database comprising:

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(a) a central processing unit having at least one electronic communications port for receiving said query, wherein said central processing unit is attached to said at least one database[:]] and said query includes a party's name;

(b) at least one extraction tool accessible to said central processing unit for extracting a plurality of attributes from a plurality of user selectable match areas from said query;

(c) at least one linguistic pattern analytical tool having characteristics at least some of which are user selectable and being accessible to said central processing unit for converting said plurality of attributes from said query into a plurality of linguistic pattern strings, and for comparing, using at least one user selectable index property, said plurality of linguistic pattern strings with at least one stored linguistic pattern string from at least one stored attribute contained within said at least one ~~of said~~ database for providing a set of matches;

(d) said at least one linguistic pattern analytical tool accessible to said central processing unit for analyzing said set of matches to provide at least one set of matched attributes; [[and]]

(e) at least one combining tool accessible to said central processing unit for combining all of said at least one set of matched attributes to provide a combined result[[:]];

(f) at least one monitoring tool for monitoring information about said party;

(g) at least one monitoring tool for monitoring information in said database;

(h) wherein, responsive to any change to said party's information, the system automatically rescreens said party for determining whether said party is approved for receiving certain goods; and

(i) wherein, responsive to any change to said database information, the system automatically rescreens said party for determining whether said party is approved for receiving certain goods; and

(j) wherein said at least one database includes names of parties restricted from receiving certain goods.

10. (Previously presented) The system of claim 9, further comprising at least one filtering tool accessible to said central processing unit for filtering said combined result according to at least one user selectable criteria.

11. (Canceled)

12. (Previously presented) The system of claim 9, wherein said at least one linguistic pattern analytical tool is comprised of at least one of a Metaphone based analysis, a Phonex based

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analysis, a Soundex based analysis, an N-gram based analysis, an edit-distance based analysis and a dictionaries based analysis.

13. (Currently amended) A computer program product for querying a database comprising a computer useable medium having a computer readable program code -executable on a computer system for performing the operations of:

(a) receiving a query;

wherein said query includes a party's name;

(b) extracting a plurality of attributes from a plurality of user selectable match areas from said query;

(c) providing at least one linguistic pattern analytical tool having characteristics at least some of which are user selectable for converting information of a plurality of attributes from said query into a plurality of linguistic pattern strings;

(d) comparing, with at least one user selectable index property, said plurality of linguistic pattern strings with at least one stored linguistic pattern string from at least one stored attribute contained within said database to provide a set of matches;

(e) ~~analyzing by at least one user selectable preference said set of matches to provide at least one set of matched attributes;~~ said set of matches, using said at least one linguistic pattern analytical tool, to provide at least one set of matched attributes; [[and]]

(f) combining all of said at least one set of matched attributes to provide a combined result[[.]];

(g) monitoring information about said party;

(h) monitoring information in said database;

(i) responsive to any change to said party's information, automatically rescreening said party for determining whether said party is approved for receiving certain goods; and

(j) responsive to any change to said database information, automatically rescreening said party for determining whether said party is approved for receiving certain goods;

wherein said database includes names of parties restricted from receiving certain goods;

wherein at least one of the actions of receiving, extracting, converting, comparing, analyzing, and combining is implemented using at least one data processing system.

14. (Previously presented) The computer program product of claim 13, further comprising

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computer readable code for filtering said combined result according to at least one user selectable criteria.

15. (Canceled)

16. (Previously presented) The computer program product of claim 13, wherein said computer readable program code for converting said query into a plurality of linguistic pattern strings and for comparing said plurality of linguistic pattern strings with at least one stored linguistic pattern string contained within said database to provide a set of matches is comprised of at least one of a Metaphone based analysis code, Phonex based analysis code, Soundex based analysis code, N-gram based analysis code, edit-distance based analysis code and dictionaries based analysis code.

17. (Canceled)

18. (Canceled)

19. (Canceled)

20. (Currently amended) The method of claim [[19]] 21, wherein said comparing is by edit distance.

21. (Previously presented) A method for comparing a query against data contained within a database comprising the steps of:

(a) receiving said query;

wherein said query includes a party's name;

(b) extracting a plurality of attributes from a plurality of potential match areas from said query;

wherein said plurality of potential match areas are user selectable;

(c) converting said plurality of attributes from said query, using at least one linguistic pattern matching analytical tool, into a plurality of linguistic pattern strings;

wherein said at least one linguistic pattern matching analytical tool used for converting has characteristics at least some of which are user selectable;

(d) comparing, using at least one user selectable index property, said plurality of linguistic pattern strings with at least one stored linguistic pattern string from at least one stored attribute contained within said database for providing a set of matches;

(e) analyzing said set of matches, using said at least one linguistic pattern matching analytical tool, to provide at least one set of matched attributes;

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- (f) combining all of said at least one set of matched attributes to provide a combined result;
- (g) monitoring information about said party;
- (h) monitoring information in said database;
- (i) responsive to any change to said party's information, automatically rescreening said party for determining whether said party is approved for receiving certain goods; and
- (j) responsive to any change to said database information, automatically rescreening said party for determining whether said party is approved for receiving certain goods;

wherein said database includes names of parties restricted from receiving certain goods;

wherein at least one of the actions of receiving, extracting, converting, comparing, analyzing, and combining is implemented using at least one data processing system.

22. (Canceled)

23. (Currently amended) The method of claim [[19]] 21, further comprising the step of employing a Metaphone based analysis, a Phonex based analysis, a Soundex based analysis, an Alphabetic N-gram based analysis, a Consonant N-gram based analysis, a Numeric N-gram based analysis, an Fdi N-gram based analysis, an Fml N-gram based analysis, an edit-distance based analysis and a dictionaries based analysis.

24. (Currently amended) The method of claim [[19]] 21, further comprising designating, responsive to a match candidate containing an unusual word in an unusual words dictionary, said match candidate to be a match.

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kavita Padmanabhan whose telephone number is 571-272-8352.

The examiner can normally be reached on Monday-Friday, 9:00am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Apu Mofiz can be reached on 571-272-4080. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

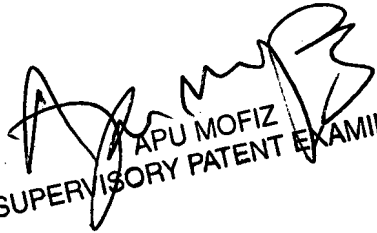
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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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September 28, 2007

K.P.


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SUPERVISORY PATENT EXAMINER